

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) A zoom lens composed of plural groups and adapted to change group spacing or spacings to thereby perform magnification changing ~~or adjusting~~ operation,

the zoom lens comprising:

a first group at least including a reflection member for bending or folding the optical axis and a negative ~~group subgroup~~ at an object side relative to the reflection member, ~~and said first group being fixed during magnification changing or adjusting operation;~~

a second group movably provided during magnification changing ~~or adjusting~~ operation at an image side of the first group and having negative refractive power; and

a light quantity adjustment member fixed during magnification changing ~~or adjusting~~ operation,

wherein, when the zoom lens undergoes a lens barrel sinking operation, the reflection member is withdrawn in parallel from the optical axis at the time of sinking lens barrel, and the negative group subgroup of the first groups is accommodated into a space thus defined vacated by the withdrawn reflection member.

2. (Currently Amended) The zoom lens according to claim 1,

wherein ~~lens group or groups~~ the negative subgroup of the object side relative to the reflection member of the first group satisfy the following formula (1).

$$2.0 < |f_a/f_w| < 6.0 \quad (1)$$

In the above formula,

f_a : focal length of ~~lens group~~ the negative subgroup of the object side relative to the reflection member of the first group, and

f_w : focal length at broad angle end.

3. (Currently Amended) An image pick-up device comprising:

a zoom lens composed of plural groups and adapted to change group spacing or spacings to thereby perform magnification changing ~~or adjusting~~ operation; and

an image pick-up device for converting an optical image which has been formed by the zoom lens into an electric signal,

the zoom lens at least including:

a first group at least including a reflection member for bending or folding the optical axis and a negative ~~group~~ subgroup at an object side relative to the reflection member, ~~and said first group being fixed during magnification changing or adjusting operation;~~

a second group movably provided during magnification changing ~~or adjusting~~ operation at an image side of the first group and having negative refractive power; and

a light quantity adjustment member fixed during magnification changing ~~or adjusting~~ operation,

wherein, when the zoom lens undergoes a lens barrel sinking operation,
the reflection member is withdrawn in parallel from the optical axis ~~at the time of sinking lens~~

~~barrel~~ so that the negative ~~group~~ subgroup of the first group is accommodated into a space thus
~~defined~~ vacated by the withdrawn reflection member.

4. (Currently Amended) The image pick-up apparatus according to claim 3,
wherein ~~lens group or groups~~ the negative subgroup of the object side relative to
the reflection member of the first group satisfy the following formula (2).

$$2.0 < |f_a/f_w| < 6.0 \quad (2)$$

In the above formula,

f_a : focal length of ~~lens group~~ the negative subgroup of the object side relative to
the reflection member of the first group, and

f_w : focal length at broad angle end.